

Amendment to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1.-8 (Cancelled)

9. (Currently Amended) ~~A method as in claim 2,~~ A method of pumping a fluid, comprising causing a laminar outward flow in a fluid between a first rotating element and a second element, and directing the flow along grooves in the second element to pump the fluid along the grooves, [further comprising] and bending the first rotating element and the second rotating element.

10. (Currently Amended) ~~A method as in claim 2,~~ A method of pumping a fluid, comprising causing a laminar outward flow in a fluid between a first rotating element and a second element, and directing the flow along grooves in the second element to pump the fluid along the grooves, wherein said fluid is blood.

11. (Currently Amended) ~~A method as in claim 2,~~ A method of pumping a fluid, comprising causing a laminar outward flow in a fluid between a first rotating element and a second element, and directing the flow along grooves in the second element to

12. (Previously presented) A method of forming a bladeless pump, comprising:

locating a first rotatable element within a second housing element, where the first rotatable element is formed without blades thereon, and the second housing element has inner surfaces defining a plurality of grooves, each of said grooves having a deeper portion which is further spaced from said first rotatable element and a less deep portion which is less spaced from said first rotatable element, and said grooves pointing in a specified direction; and

providing a rotating element for said first rotatable element which, when rotated, forces fluid in a direction.

13. (Previously presented) A method as in claim 12, wherein said providing a rotating element comprises attaching an element to an end of said first rotatable element.

14. (Previously presented) A method as in claim 12, wherein said providing a rotating element comprises forming a magnetic field to induce said first rotatable element to rotate.

15. (Cancelled)

16. (Previously presented) A method as in claim 12, wherein said locating a first rotatable element comprises locating an element which is substantially smooth on its outer surface.

17. (Previously presented) A method as in claim 12, wherein said rotatable element has bumps on its outer surfaces.

18.-20 (Cancelled)

21. (Currently Amended) A method as in claim 18, further comprising bending at least a portion of said central shaft.

22. (Currently Amended) A method as in claim 18, wherein said fluid is blood.

23. (Currently Amended) A method as in claim 22, wherein said rotating causes a stagnation region within said blood.

24.25. (Cancelled)

26. (Currently Amended) A system, comprising:
a first ~~bladder~~ bladeless pump, comprising a central shaft rotating in a first direction within an outer housing that

includes inner grooves thereon, forcing fluid through said outer housing in a force direction when said central shaft is rotated in said first direction; and

a second blade less pump assembly, located facing in a same direction as said first bladeless pump and comprising a central shaft, without blades, rotating in a second direction opposite to said first direction within an outer housing that includes inner grooves thereon, forcing fluid through said outer housing in said force direction when said central shaft is rotated in said second direction.

27. (Currently amended) A system as in claim 26, wherein said central shaft of said first assembly and said central ~~shaft~~ shaft of said second assembly are each substantially smooth outer surfaces.